



US DEPARTMENT OF DEFENSE
BLAST INJURY RESEARCH PROGRAM
COORDINATING OFFICE

Transplants and Burn Injury Treatment

Improved Cutaneous Coverage following Severe Burn Injury

Extensive burn injuries, particularly full-thickness burns, result in significant and life-changing morbidity. While autografting from donor sites remains standard of care, StrataGraft® offers a promising alternative for skin coverage after extensive burns, reducing the need for autografting. StrataGraft is a human skin substitute with many of the structural and biological properties of normal human skin. In late 2014, Stratatech Corporation completed enrollment in a multicenter clinical trial, which included US Army Institute of Surgical Research as a clinical site, to assess the safety, tolerability, and efficacy of StrataGraft skin tissue compared to autografts in deep partial-thickness burns. Data from that trial suggests that StrataGraft facilitates wound closure and is replaced by the patient's own cells as the wound heals. The investigators are preparing follow-on studies, and anticipate trial initiation in the next one to two years. This product offers a promising alternative for skin coverage after extensive burn injuries.